Amendments to the Specification:

Please replace the paragraph, beginning at page 1, line 21, with the following rewritten paragraph:

In order to detect the pupil with high degree of accuracy using these methods, it is necessary to process a huge amount of image data at high-speed, and hence it is difficult to process the image data of the eye image on real time basis even though a large CPU having a high processing capability or a bulk memory ~~in the status quo~~is commonplace. Also, when the processing amount of the CPU is reduced to a degree which enables real time processing of the image data, there may arise a problem such that the detection accuracy is lowered.